Docket No.: 4259P076



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Re the Application of:

MARK GREENBERG, ET AL.

Application No.: 09/955,547

Filed: September 17, 2001

For: An Apparatus and Method For Saturating

Decoder Values

Art Group: 2133

Examiner: Assignment Division

RECEIVED

MAY 2 0 2004

Technology Center 2100

INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. §1.97

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

In accordance with the duty of disclosure, enclosed is a copy of IDS Citation Form PTO/SB/08 or PTO-1449, together with copies of the documents cited on that form, except for copies not required to be submitted (e.g., copies of U.S. patents and U.S. published patent applications need not be enclosed for applications filed after June 30, 2003). This IDS and IDS Citation Form are being submitted concurrently with the Request for Continued Examination. It is respectfully requested that the cited references be considered and that the enclosed copy of PTO/SB/08 be initialed by the Examiner to indicate such consideration and a copy thereof returned to applicant(s).

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The submission of this Information Disclosure Statement is not to be construed as a representation that a search has been made in the subject application and is not to be construed as an admission that the information cited in this statement is material to patentability.

Please charge any fees due to Deposit Account 02-2666. A duplicate copy of the Fee Transmittal (PTO/SB/17) is enclosed for this purpose.

Date: 5 13 04

Respectfully submitted,

BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP

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I hereby certify that this correspondence is being deposited with the United States Postal Service on the date shown below with sufficient postage as first class mail in an envelope addressed to: Mail Stop RCE, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

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Application Number	09/955,547	다
Filing Date	September 17, 2001	<u> </u>
First Named Inventor	Mark Greenberg	100
Art Unit	2133	Y C
Examiner Name	Phung M. Chung	enter
Attorney Docket Number	4259P076	er

	U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No.1	Document Number Number - Kind Code² (if known)	Publication Date Issue Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
		US-4,015,238	03-29-1977	Davis		
		US-5,027,374	06-25-1991	Rossman		
		US-5,349,608	09-20-1994	Graham, et al.		
		US-5,778,192	07-07-1998	Schuster, et al.		
		US-6,157,997	12-05-2000	Oowaki, et al.		
		US-6,189,126 B1	02-13-2001	Ulmer, et al.		
		US-6,266,687 B1	07-24-2001	Leyonhjelm, et al.		
		US-6,301,314 B1	10-09-2001	Murayama	,	
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	FOREIGN PATENT DOCUMENTS						
Examiner Cite		Foreign Patent Document			Pages, Columns, Lines,	T 6	
Initials*	No.1	Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Where Relevant Passages or Relevant Figures Appear	1,	
	WO	00/74264 A1	12-07-2000	Martone			
	EP	0 762 777 A2	03-12-1997	Uchiumi, et al.			

Examiner	Date	
Signature	Considered	

'Applicant's unique citation designation number (optional). 'See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 'Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 'For Japanese patent documents, the indication of the year of reign of the Emperor must precede the serial number of the patent document. 'Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. 'Applicant is to place a check mark here if English language Translation is attached.

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Complete if Known Application Number 09/955,547 September 17, 2001 Filing Date First Named Inventor Mark Greenberg Art Unit 2133 **Examiner Name** Phung M. Chung Attorney Docket Number 4259P076

Sheet of 3 2 NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²
		HASHIDA MITSUYOSHI, "Hierachical Network Management System and Control Method For Network Management Information" Patent Abstracts of Japan, Publication No. 07226777	
	/va.v	MARIE-LAURE BOUCHERET, ET AL, "Fast Convolution Filter Banks For Satellite Payloads With On-Board Processing, IEEE Journal On Selected Areas in Communications, Vol. 17, No. 2, February 1999, pages 238-247.	
		W.H. YIM, ET AL., "On-Board Processing For KA-Band Applications", Publication Date February 11, 1993, University of Surrey, UK, pages 225-229.	
		SUNG HAN CHOI, ET AL., "Viterbi Detector Architecture For High Speed Optical Storage", 1997 IEEE Tencon - Speech and Image Technologies For Compujting and Telecommunications, ASIC Center, Corporate Technical Operations SAMSUNG Electronics Co., Ltd., pages 89-92.	
		MICHAEL A. BREE, ET AL., "A Bit-Serial Architecture For A VLSI Viterbi Processor", Communications Systems Research Group, University of Saskatchewan, Saskatoon, IEEE, 1988, pages 72-77.	
		M.A. BREE, ETAL., "A Modular Bit-Serial Architecture For Large Constraint Length Viterbi Decoding", Communication Systems REsearch Group, University of Saskatchewan, Saskatoon, Canada, IEEE, 1990, pages 1501-1506.	
		MARC BIVER, ET AL., "Architectural Design and Realization Of A Single-Chip Viterbi Decoder", Elsevier Science Publishers B.V., Integration, the VLSI journal 8 (1989) October, No. 1, Amsterdam, NL, pages 3-16.	

Examiner	 Date	
Signature	 Considered	

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Mark Greenberg Art Unit 2133 Examiner Name Phung M. Chung of 3 Attorney Docket Number Sheet 3 4259P076

Application Number

First Named Inventor

Filing Date

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Examiner Initials*	Cite No.¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²	
		JAMES TSUI, "Frequency Channelization, Digital Techniques for Wideband Receivers", Second Edition, Pages 363-396, 2001 Artech House, Inc., Norwood, MA		
		ZHENGDAO WANG and GEORGIOS B.GIANNAKIS, "Wireless Multicarrier Communications where Fourier Meets Shannon", Department of ECE, University of Minnesota, Minneapolis, MN, Pages 1-21.		
		E. VERRIEST, ISEN, Implementing an Adaptive Noise Canceling System to enhance Sonar Receiver Performance Using the TMS320C31 DSP, ESIEE, Paris, September 1996, Texas Instruments, Pages 1-24.		
		GA. SHAW, RA. FORD, J.C. ANDERSON, B.W. ZUERDNORFER, AH. NADERSON, RASSP Benchmard 2 Technical Description, Massachusetts Institute Of Technology Lincoln Library, 153 pages total.		

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